

## ABSTRACT

In a parallel signal transmission device for converting serial signals into parallel signals at a transmitting unit to be transmitted to a receiving unit, the transmitting unit generates serial code signals from periodically latched parallel signals besides transmitted parallel signals, and adjusts phases of the parallel signals to the serial code signals by delaying the parallel signals by a predetermined delay time; and the receiving unit changes over bits of the parallel signals from the transmitting unit based on recovered clocks, detects bit shift amounts of the parallel signals after bit changeover, and performs skew adjustments of the parallel signals depending on the bit shift amounts.